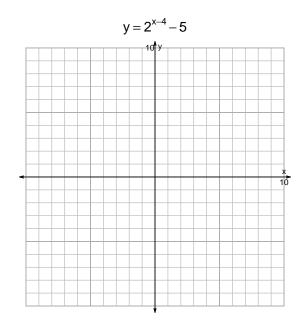
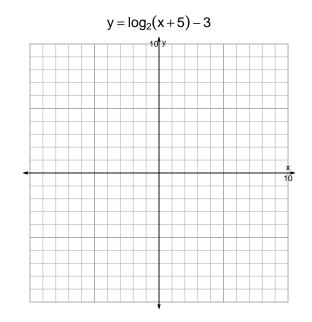
s18quiz: EXP LOG (Practice v111)

1. Graph $y=2^{x-4}-5$ and $y=\log_2(x+5)-3$ on the grids below. Also, draw any asymptotes with dotted lines.





2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$29 = \left(\frac{4}{3}\right) \cdot 10^{5t/7}$$

3. An exponential function $f(x) = 0.0753 \cdot e^{-2.07x}$ is graphed below on a semi-log plot.



- a. Using the plot above, evaluate f(-1.2).
- b. Express $f^{-1}(x)$, the inverse of f.
- c. Using the plot above, evaluate $f^{-1}(20)$.